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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/843,806	04/30/2001	Futoshi Hachimura	862.1431 Div.	2367

5514 7590 03/30/2004

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NEW YORK, NY 10112

EXAMINER
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SHARMA, SUJATHA R

ART UNIT	PAPER NUMBER
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2684

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DATE MAILED: 03/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/843,806

Applicant(s)

HACHIMURA ET AL.

Examiner

Sujatha Sharma

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 14 May 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 45-77 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 45-77 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 45,50,55,58,69,72 are rejected under 35 U.S.C. 102(b) as being anticipated by Hashimoto [US 5,255,308].

Regarding claims 45,50,55,58,69,72 Hashimoto discloses a wide area cordless telephone system capable of receiving incoming group address calls. Hashimoto further discloses:

- A link establishing unit (access units 4 in Fig. 1) adapted to establish wireless links between the wireless control apparatus (radio control unit 3 in Fig. 1) and the first and second wireless communication apparatuses (mobile units 5 in Fig. 1) respectively in accordance with the detection of an incoming call; See col. 1, lines 42-61
- A link maintaining unit (access unit 4 in fig. 1) adapted to maintain the wireless link between the wireless control apparatus (radio control unit 3 in fig. 1) and the second wireless communication apparatus after the first wireless communication apparatus responds to the incoming call, such that the incoming call can be transferred to the second wireless communication apparatus. See col. 1, lines 42-61, col. 3, lines 10-20, and col. 4, lines 30-57.

Regarding claims 48,53 Hashimoto further discloses a method where the link-maintaining unit maintains the wireless link of second wireless communication apparatus until

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communication by the first wireless communication apparatus ends. See col. 1, lines 42-61, col. 3, lines 10-20, and col. 4, lines 30-57.

Regarding claims 64,65, Hashimoto further discloses a method wherein the link maintaining unit maintains the wireless link of the second communication apparatus after the first wireless communication apparatus responds to the incoming call and the wireless control apparatus halts ringing of the second wireless communication apparatus. See col. 1, lines 42-61, col. 3, lines 10-20.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 46,51,56,59,70,73 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto [US 5,255,308] in view of Mizikovsky [US 5,559,860].

Regarding claim 46,51,56,59,70 Hashimoto discloses all the limitations as claimed. However he does not disclose the cordless unit to be one with voice and data capabilities.

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Mizikovsky teaches a method wherein the wireless control unit handles both voice and data communications and a communication link is maintained upon recognition of the voice and data communication link. See summary of invention, col. 7, lines 5-50

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to provide the above teachings of Mizikovsky to Hashimoto in order to provide a composite access point apparatus to the user with economical advantages and further the communications system can thus be integrated into a packet-switching communication network with little expenditure which is an advantageous characteristic particularly with regard to the present development of ever more powerful packet-switching communication networks.

5. Claims 47,49,52,54,57,60,71,74 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto [US 5,255,308] in view of Nakamura [JP 57007666].

Regarding claims 47,49,52,54,57,60,71 Hashimoto discloses all the limitations as claimed.

However he does not disclose a method where the link-maintaining unit cuts the wireless link to the second wireless communication apparatus after a prescribed period of time.

Nakamura teaches a method where the link-maintaining unit (central controller in this case) cuts the wireless link to the second wireless communication apparatus after a prescribed period of time. See abstract.

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to provide the above teachings of Nakamura to Hashimoto in order To avoid in vain holding of related equipment for a long time, by releasing a request originating connection path when a called subscriber does not answer within a predetermined no-answer time.

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6. Claims 61, 66 and 75 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto [US 5,255,308] in view of Childress [US 4,682,367].

Regarding claims 61,66 and 75, Hashimoto discloses all the limitations as claimed. However he does not disclose a method the third apparatus communicates with the first and second apparatus and the channel maintaining unit is adapted to maintain a communication channel used for communication with the second apparatus while the first apparatus communicates with the third apparatus.

Childress teaches a method for mobile radio communication with a join feature. Childress discloses a method where a third apparatus can join in the communication channel that is already in place between the first and second apparatus and thus continuing the communication channel to be used between the first and the third apparatus as in teleconferencing. See col. 5, lines line 27 – col. 6, line 32.

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to provide the above teachings of Childress to Hashimoto in order facilitate a conference call between the various users.

7. Claims 62,63,67,68,76,77 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto [US 5,255,308] and Childress [US 4,682,367] in view of Mizikovsky [US 5,559,860].

Regarding claim 62,63,67,68,76,77 Hashimoto as modified by Childress discloses all the limitations as claimed. However he does not disclose the cordless unit to be one with voice and data capabilities.

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Mizikovsky teaches a method wherein the wireless control unit handles both voice and data communications and a communication link is maintained upon recognition of the voice and data communication link. See summary of invention, col. 7, lines 5-50

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to provide the above teachings of Mizikovsky to modified Hashimoto in order to provide a composite access point apparatus to the user with economical advantages and further the communications system can thus be integrated into a packet-switching communication network with little expenditure which is an advantageous characteristic particularly with regard to the present development of ever more powerful packet-switching communication networks.

### *Conclusion*

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


Jensen [US 5,390,233]	Telephone call transfer between a wireless and wired telephone
Eaton [US 5,483,588]	Voice processing interface for a teleconference system
Hattori [US 4,955,082]	Mobile communication system

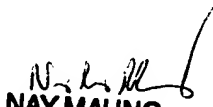
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sujatha Sharma whose telephone number is 703-305-5298. The examiner can normally be reached on Mon-Fri 7.30am - 4.00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Sujatha Sharma  
March 15, 2004

  
NAY MAUNG  
SUPERVISORY PATENT EXAMINER